

| IAP: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value     |
|----------------------------------|-----------|-------------------|-----------|-------------------|-------------|
| $\mu_m$                          | 0.9155    | 0.0256            | -0.0097   | 0.0072            | 0.180       |
| $\mu_d$                          | 0.3977    | 0.0545            | -0.0624   | 0.0106            | $< 10^{-5}$ |
| $\eta$                           | 0.0134    | 0.0132            | 0.0055    | 0.0045            | 0.226       |
| $p$                              | 1         | 0.2577            | -         | -                 | -           |

| L1mdA: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value     |
|------------------------------------|-----------|-------------------|-----------|-------------------|-------------|
| $\mu_m$                            | 0.8682    | 0.0104            | -0.0052   | 0.0040            | 0.190       |
| $\mu_d$                            | 0.0168    | 0.0007            | -0.0027   | 0.0002            | $< 10^{-5}$ |
| $\eta$                             | 0.1249    | 0.0074            | 0.0149    | 0.0023            | $< 10^{-5}$ |
| $p$                                | 1         | 0.0238            | -         | -                 | -           |

| L1mdT: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value     |
|------------------------------------|-----------|-------------------|-----------|-------------------|-------------|
| $\mu_m$                            | 0.7317    | 0.0040            | -0.0102   | 0.0044            | 0.020       |
| $\mu_d$                            | 0.0229    | 0.0010            | -0.0038   | 0.0002            | $< 10^{-5}$ |
| $\eta$                             | 0.1013    | 0.0046            | 0.0220    | 0.0015            | $< 10^{-5}$ |
| $p$                                | 1         | 0.0468            | -         | -                 | -           |

| mSat: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value     |
|-----------------------------------|-----------|-------------------|-----------|-------------------|-------------|
| $\mu_m$                           | 0.8304    | 0.0080            | 0.0026    | 0.0019            | 0.186       |
| $\mu_d$                           | 0.3879    | 0.0133            | -0.0478   | 0.0025            | $< 10^{-5}$ |
| $\eta$                            | 0.0002    | 0.0038            | 0.0026    | 0.0011            | 0.024       |
| $p$                               | 0.8025    | 0.1966            | -         | -                 | -           |

| MuERVL: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value     |
|-------------------------------------|-----------|-------------------|-----------|-------------------|-------------|
| $\mu_m$                             | 0.7106    | 0.0300            | -0.0177   | 0.0076            | 0.019       |
| $\mu_d$                             | 0.6006    | 0.0221            | -0.0955   | 0.0039            | $< 10^{-5}$ |
| $\eta$                              | 0.0172    | 0.0119            | 0.0044    | 0.0045            | 0.336       |
| $p$                                 | 0.5428    | 0.2858            | -         | -                 | -           |

| Afp: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value     |
|----------------------------------|-----------|-------------------|-----------|-------------------|-------------|
| $\mu_m$                          | 0.7817    | 0.0041            | 0.0006    | 0.0015            | 0.717       |
| $\mu_d$                          | 0.1772    | 0.0058            | -0.0295   | 0.0011            | $< 10^{-5}$ |
| $\eta$                           | 0.0473    | 0.0028            | 0.0160    | 0.0010            | $< 10^{-5}$ |
| $p$                              | 1         | 0.0208            | -         | -                 | -           |

| Ttc25: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value     |
|------------------------------------|-----------|-------------------|-----------|-------------------|-------------|
| $\mu_m$                            | 0.7440    | 0.0064            | -0.0435   | 0.0003            | $< 10^{-5}$ |
| $\mu_d$                            | 0.0000    | 0.0018            | -0.0000   | 0.0003            | 1           |
| $\eta$                             | 0.0000    | 0.0072            | 0.0544    | 0.0023            | $< 10^{-5}$ |
| $p$                                | 1         | 0.0670            | -         | -                 | -           |

| Zim3: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value     |
|-----------------------------------|-----------|-------------------|-----------|-------------------|-------------|
| $\mu_m$                           | 0.8530    | 0.0027            | -0.0965   | 0.0014            | $< 10^{-5}$ |
| $\mu_d$                           | 0.0000    | 0.0022            | -0.0000   | 0.0005            | 1           |
| $\eta$                            | 0.0000    | 0.0087            | 0.0922    | 0.0047            | $< 10^{-5}$ |
| $p$                               | 1         | 0.0255            | -         | -                 | -           |

| Snrpn: (hydroxy) methylation prob. | $\beta_0$ | $\sigma(\beta_0)$ | $\beta_1$ | $\sigma(\beta_1)$ | p-value |
|------------------------------------|-----------|-------------------|-----------|-------------------|---------|
| $\mu_m$                            | 1.0000    | 0.0253            | 0.0000    | 0.0076            | 1       |
| $\mu_d$                            | 0.0000    | 0.0029            | 0.0016    | 0.0008            | 0.047   |
| $\eta$                             | 0.0517    | 0.0170            | -0.0086   | 0.0038            | 0.030   |
| $p$                                | 0.5       | 0.0807            | -         | -                 | -       |